

# brake master cylinders

1248-H/1260-H  
4408 Series

Brake Master Cylinders are one of the most frequently specified units in aviation. These rugged units feature virtually trouble-free service, and few wearing parts — provide dependable braking action for a number of general aviation aircraft.

Standard equipment on Piper and other private aircraft for many years, the Brake Master Cylinders are available in the left- and right-hand models required by most aircraft.



**AVOX Systems**

**For Historical Reference Only.**



# 1248-H/1260-H

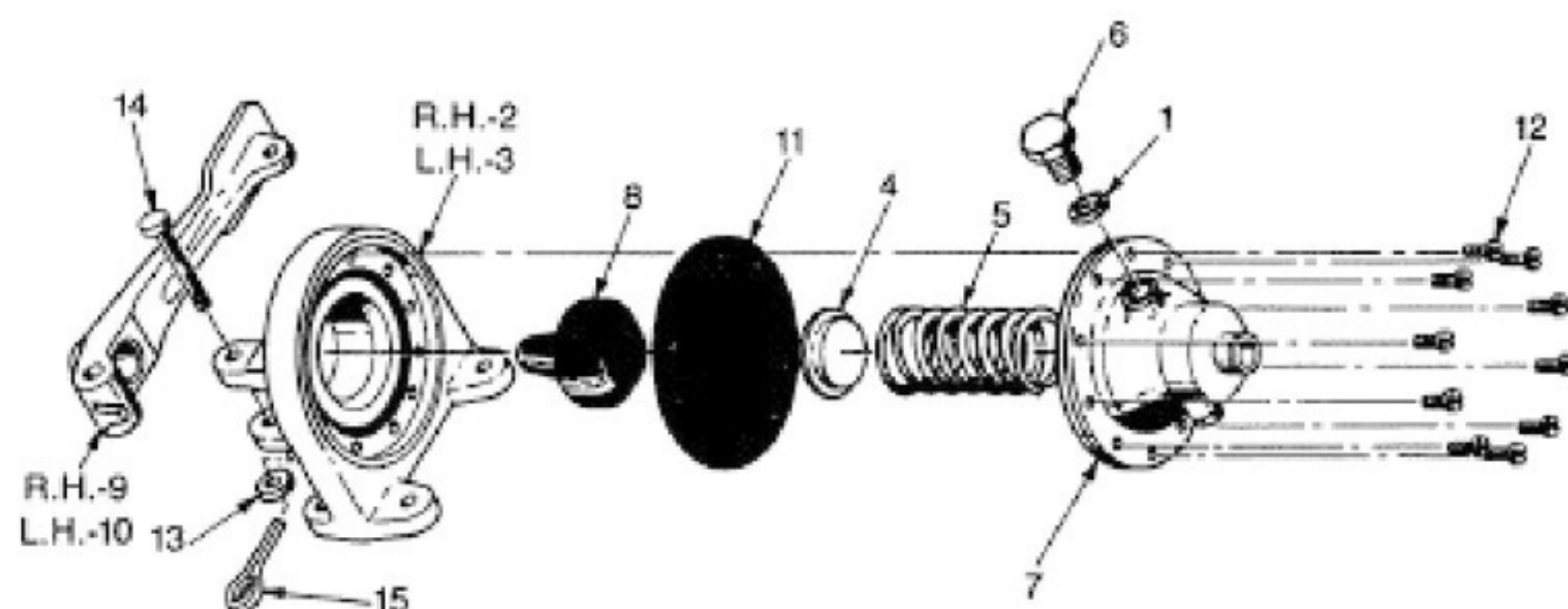
## Outstanding Features

- Safe, dependable braking action
- Virtually trouble-free performance
- Few wearing parts
- Left- and right-hand models



## Specifications

Displacement	.80 cu. in.
Maximum working pressure	350 lb.
Pedal pressure	100 lb.
Recommended hydraulic fluid	MIL-O-5606
Weight as shown	21 oz. dry
Maximum Pedal Travel	3 3/16 in.



## Parts List

No.	Part No.	Name	No. Req'd
1	1159	Gasket — Vent Screw	1
2	1220	Bracket — R.H. Unit	1
3	1232	Bracket — L.H. Unit	1
4	2003-1	Pad — Diaphragm	1
5	1256	Spring	1
6	1258	Screw — Vent	1
7	2728	Cover — Compression	1
8	1383	Piston	1
9	1712	Pedal — R.H. Unit	1
10	1714	Pedal — L.H. Unit	1
11	2844	Diaphragm	1
12	33359-245	Screw	10
13	33451-010	Washer (AN960-10)	1
14	18431	Pin — Flat Head	1
15	18481	Pin (AN380-2-2)	1

## WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS INJURY OR DEATH. THIS EQUIPMENT IS TO BE SERVICED IN ACCORDANCE WITH APPLICABLE PROCEDURES AND ONLY BY AVOX Systems AUTHORIZED SERVICE TECHNICIANS KNOWLEDGEABLE IN THIS EQUIPMENT. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX Systems; OR YOUR AUTHORIZED DISTRIBUTOR.

THE DRAWINGS CONTAINED IN THIS SHEET ARE PRESENTED FOR PART IDENTIFICATION ONLY AND ARE NOT INTENDED AS AUTHORITY TO PERFORM ANY TYPE OF SERVICE ON THE EQUIPMENT.



# 4408 Series

## Outstanding Features

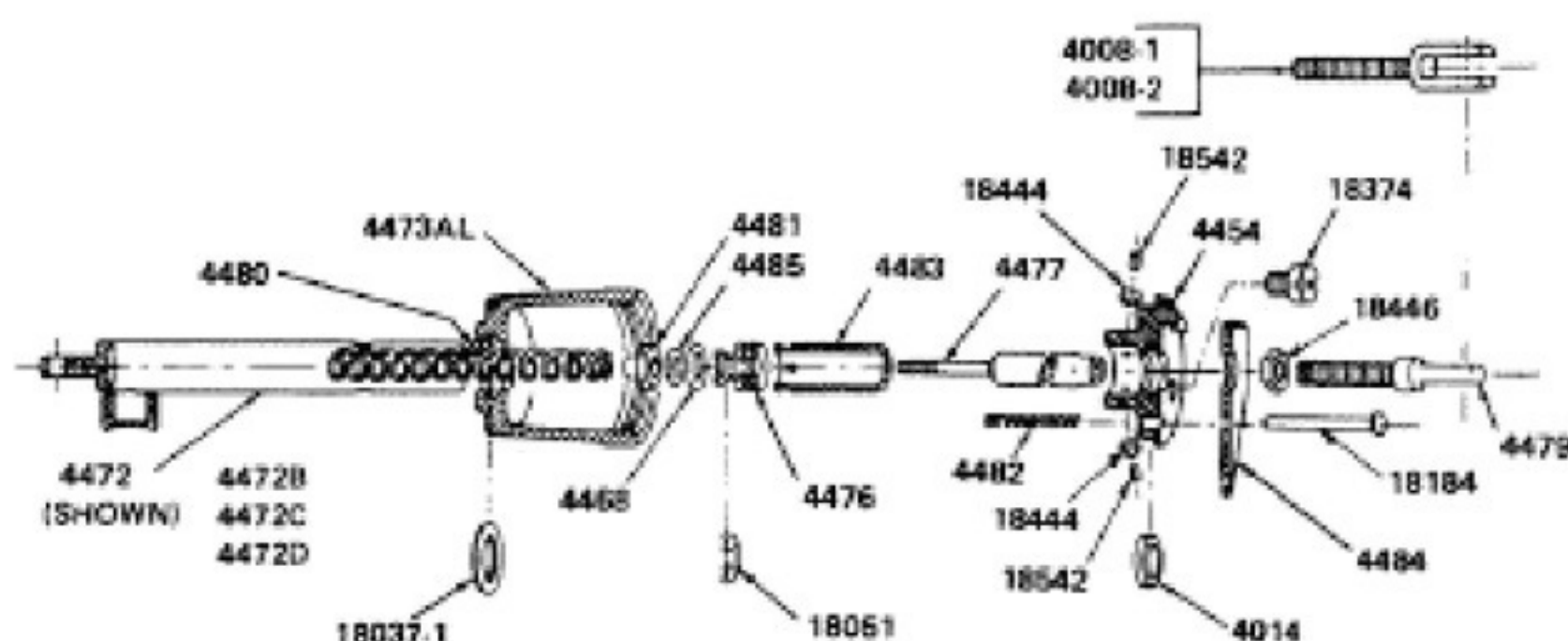
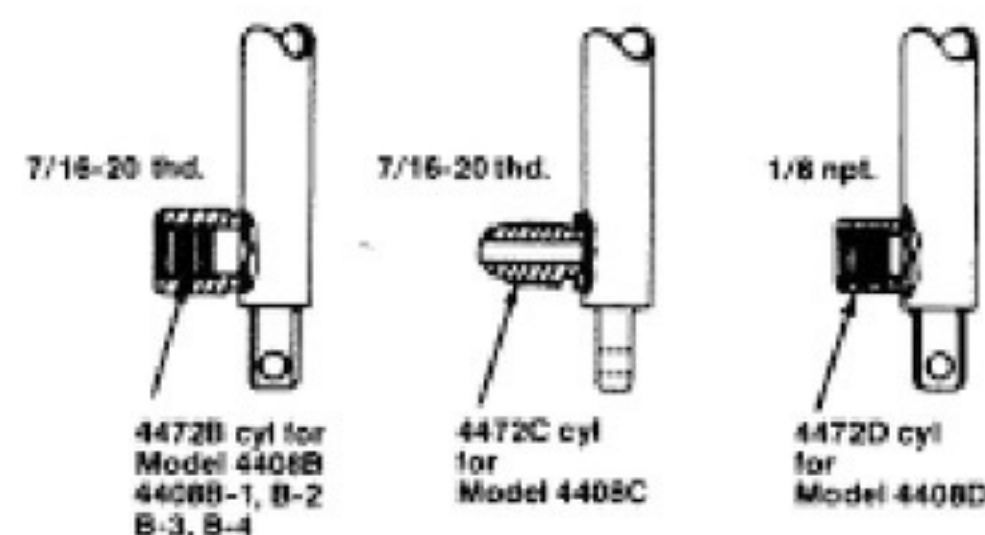
- Positive parking brake lock lever
- Safe, dependable braking action
- Virtually trouble-free performance



## Specifications

Displacement	.282 cu. in.
Capacity	1.3 cu. in.
Piston Dia.	.5 in.
Output Pressure	5.09 x applied force
Empty Weight	7 oz.

## Outlet Connections



## Parts List

Part No.	Name	No. Req'd.
4008-1	Piston Clevis Rod (Used on 4408C Master Cyl.)	1
4008-2	Piston Clevis Rod (Used on Models 4408B1, 4408B2, 4408B3 and 4408B4 Master Cyl.)	1
4014	Seal — Piston Stem	1
4454	Cap — Reservoir	1
4468-1	Washer	1
4472	Cylinder Assembly	1
4472B	Cylinder Assembly	1
4472C	Cylinder Assembly	1
4472D	Cylinder Assembly	1
4473AL	Reservoir	1
4476	Piston Assembly	1
4477	Stem	1
33465-003	Nut No. 6-32 light hex	4
4479	Lug — Top Mounting (Used on Models 4408 and 4408D Master Cyl.)	1
4480	Spring	1
4481	Nut — Piston Return	1
4482	Spring — Parking Lock	1
4483	Stop — Piston	1
4484	Lock — Parking	1
4485	Spring Washer	1
33473-004	Nut	1
33551-166	Rivet	1
33351-020	Set Screw No. 6-32 x 3/8" long cup point	4
33332-077	Screw — Fillister Head 1/4 — 28 x 3/8" long	1
18037-01	O-Ring Linear 1820-11	1
18051-00	U-Cap Linear 1825-43	1

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AVOX Systems Inc.  
 FAA Approved Parts List: Document 3900038

Reference Only Document  
 February 15, 2014



AVOX Systems Part Number	Description	Approved Replacement For	TC/STC Holder	FAA Approval	Aircraft Eligibility
1248-H	HYDRAULIC PRESSURE UNIT	1248-H	PIPER	PMA SUPPLEMENT 20	PA18 SERIES
1260H	HYDRAULIC PRESSURE UNIT	1260H	PIPER	PMA SUPPLEMENT 20	PA18 SERIES
4408-00	MASTER CYLINDER ASSEMBLY	4408	UNIVAIR	PMA SUPPLEMENT 62	STINGRAY 106-3 (SN 3940 & Up)
4408D	MASTER CYLINDER ASSEMBLY	4408D	AVIAT	PMA SUPPLEMENT 64	CHRISTEN A1



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